



# Amazing functionality.

## Ultimate PTZ Series: Specialist PTZ domes available in 2.0MP & 8.0MP

An outstanding performer in long range surveillance applications, this formidable 30x optical zoom PTZ is also equipped with 500m laser infrared, a host of intelligent functions and configurable auto-tracking.

- Stream up to 4K/8.0MP (3840 x 2160) at 25fps
- 30x optical zoom lens (61.2 ~ 2.1° viewing angles)
- Auto tracking with 8 intelligent video functions
- Adjustable beam angle laser infrared up to 500m
- Electronic image stabilisation, face detect & more
- Endless 360° panning with tilt adjust; auto-flip 180°
- MicroSD card slot for recording up to 128GB
- Audio and alarm interface input/output
- Supports power via Hi-PoE (IEEE802.3at)
- IP67 weather resistant housing for external use



Precision Laser Infrared System



30x Lossless Optical Zoom



Intelligent Auto Tracking

Model		CAM398	CAM424				
Camera	Image Sensor	1/1.9" 2.0MP Progressive Scan CMOS	1/1.7" 12.0MP Starvis™ CMOS				
	Effective Pixels	1920 (H) x 1080 (V)	3840 (H) x 2160 (V)				
	RAM / ROM	1024MB / 64MB	1024MB / 128MB				
	Min Illumination	0.002 Lux/F1.5 (Color), 0 Lux/F1.5 (IR on)	0.05 Lux/F1.6 (Color), 0 Lux/F1.6 (IR on)				
	S/N Ratio	> 56dB					
Infrared System		Laser Infrared Module, 500m range, Auto/manual angle adjustment (60 ~ 2°)					
Lens	Lens / Iris	6 ~ 180mm F1.5 ~ F4.3 Motorised Lens with Auto Iris	6 ~ 180mm F1.6 ~ F4.8 Motorised Lens with Auto Iris				
	Field of View	Horizontal: 61.2° ~ 2.1° (30x Optical Zoom)					
Focus		Auto/Manual / 1m Min. Focus Distance					
PTZ	Pan / Tilt Range	Pan: 0 ~ 360° (endless) / Tilt: -20 ~ 90° / Auto-flip 180°					
	PTZ Speed	Preset Pan: 240°/s; Tilt: 200°/s Manual Pan: 200°/s; Tilt: 120°/s					
	Modes / Presets	Up to 300 presets / 5 Pattern, 8 Tour, Auto Pan, Auto Scan					
	Start-up Action	Auto-restore to previous PTZ/lens status					
	Auto Tracking	Support					
Video	Resolution	1080p (1920 x 1080) to CIF(352 x 288)	8.0MP (3840 x 2160) to CIF(352 x 288)				
	Frame Rate	Main	1080p (1 ~ 25fps) / 720p (1 ~ 50fps)	8.0MP (1 ~ 25fps) / 1080p (1 ~ 50fps)			
		Sub	D1 (1 ~ 25fps)	D1 (1 ~ 25fps)			
		Third	1080p (1 ~ 25fps)	1080p (1 ~ 25fps)			
	Video Compression	H.264 / MJPEG	H.265 / H.264				
	Bit Rate	H.264: 448K ~ 8192Kbps / MJPEG: 4096K ~ 20480Kbps	H.265: 14 ~ 9984Kbps / H.264: 24 ~ 16384Kbps				
	Bit Rate Control	Constant bit rate (CBR) / Variable bit rate (VBR)					
	Day/Night	Auto (ICR) / Color / B&W	Auto (ICR) / Color / B&W				
	Lighting Compensation	BLC / HLC / WDR (120dB)	BLC / HLC / Digital WDR				
	White Balance	Auto / ATW / Indoor / Outdoor / Manual					
	Gain Control	Auto / Manual					
Noise Reduction	Ultra 2D/3D DNR						
Picture Control	Flip 180°						
IVS	Intelligent Functions	Tripwire, Intrusion, Abandoned/Missing Object, Face Detection, Motion Detection, Region of Interest, Electronic Image Stabilisation, Privacy Masking (24 zones), Defog					
	Ethernet	RJ-45 (10/100Base-T)					
	Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP					
	Streaming Method	Unicast / Multicast					
Interface	Max. User Access	10 Users / 20 Users					
	Video Interface	1 Output (Vpp 75Ω)					
	Audio Interface	1 Input, 1 Output / Compression: G.711a, G.711mu, G.726, AAC					
	Alarm Interface	7 Inputs / 2 Outputs					
	RS485	Yes					
	Edge Storage	MicroSD Card (up to 128GB) / NAS / Local PC					
	Interoperability	ONVIF / PSIA / CGI					
Environmental	Power Supply	24VAC / 3A / Hi-PoE (IEEE802.3at)					
	Power Consumption	<24W					
	Operating Conditions	-40° ~ +70° C / Less than 90% RH					
	Ingress Protection	IP67					
	Vandal Resistance	N/A					
	Housing	Metal					
	Pan/Tilt/Rotation	Pan: 0° ~ 360°; Tilt: -20° ~ 90°; Rotation: 0° ~ 360°					
	Dimensions	Ø240mm x 357mm					
Net Weight	6.75kg						
Application	Diagrams						
	Accessories						
Models	Included Accessories (AC power supply, MB1035, MB1045)	Ceiling Mount (MB1028)	Junction Box (MB1038)	Power Box Mount (MB1037)	Pole Mount (MB1025)	Corner Mount (MB1026)	Parapet Mount (MB1063)

Your local VIP Vision™ IP solutions professional: